IN THE CLAIMS

1. (canceled)

2. (currently amended) The rotary induction machine of claim 12 [[1]], wherein a third capacitor is coupled with a second branch switch across a portion of a second one of said three branch windings, said second branch switch gated by said control circuit in response to parameters of a second voltage corresponding to a second selected branch winding and said parameters of said voltage and current corresponding to said energy winding.

3. (original) The rotary induction machine of claim 2, wherein a fourth capacitor is coupled with a third branch switch across a portion of a third one of said three branch windings, said third branch switch gated by said control circuit in response to parameters of a third voltage corresponding to a third selected branch winding and said parameters of said voltage and current corresponding to said energy winding.

4. (original) The rotary induction machine of claim 3, wherein said second, third and fourth capacitors are not equal.

5. (currently amended) The rotary induction machine of claim 12 [[1]], wherein said first voltage corresponds to the voltage across said second capacitor.

6. (currently amended) The rotary induction machine of claim 12 [[1]], wherein said parameters of said voltage of said energy winding comprise the output voltage amplitude across a phase of said energy winding supplying a load.

7. (currently amended) The rotary induction machine of claim 12 [[1]], wherein said parameters of said current of said energy winding comprise the output current amplitude in a phase of said energy winding supplying a load across a phase said energy winding.

8. (currently amended) The rotary induction machine of claim 12 [[1]], wherein said parameters of said voltage and current of said energy winding comprise the phase relationship of said voltage and said current of said energy winding resulting from a load across said phase of said energy winding.

9. (original) The rotary induction machine of claim 5, wherein said parameter of said first voltage corresponds to a measure of the zero crossing time of said first voltage.

10. (currently amended) The rotary induction machine of claim 12 [[1]], where said branch switch is gated on based on a first value of said parameter of said first voltage and gated off based on a second value of said parameter of said first voltage.

11. (currently amended) The rotary induction machine of claim 12 [[1]], wherein said branch switch is an electronic switch operable to conduct alternating current (AC) when gated on.

12. (currently amended) ~~The rotary induction machine of claim 1,~~ A rotary induction machine comprising:

a cylindrical stator;

a rotor axially rotatably positioned in the center of said stator;

rotor windings integral to said rotor;

a three-phase energy winding integral to said stator and magnetically coupled to said rotor windings;

a first three-phase auxiliary winding integral to said stator and magnetically coupled to said rotor windings and electrically isolated from said energy winding, said three-phase auxiliary winding comprising three branch windings electrically coupled forming three-phase electrical terminals;

a first capacitor electrically coupled across each of said three-phase electrical terminals;

a second capacitor coupled with a first branch switch across a portion of a first one of said three branch windings;

a control circuit for gating said first branch switch in response to parameters of a first voltage corresponding to a first selected branch winding and parameters of a voltage and a current corresponding to said energy winding;

a second three-phase auxiliary winding integral to said stator and magnetically coupled to said rotor windings and electrically isolated from said energy winding, said second three-phase auxiliary winding electrically isolated from and magnetically coupled to said first auxiliary winding, said second auxiliary winding comprising three branch windings electrically coupled forming three-phase electrical terminals;

a fifth capacitor electrically coupled across each of said three-phase electrical terminals of said second auxiliary winding;

a sixth capacitor coupled with a fourth branch switch across a portion of a first one of said three branch windings of said second auxiliary winding; and

control signals from said control circuit gating said fourth branch switch in response to parameters of a fourth branch voltage of said second auxiliary winding and said parameters of said voltage and said current of said energy winding.

13. (canceled)

14. (canceled)

15. (canceled)

16. (canceled)